

Environmental Regulations Guide

Section 12 Energy

12.0 Energy Policy Act of 1992 (Revised 1999) 42 USC chapter 134

The City of Scottsdale has initiated a number of energy programs & pilot projects in voluntary support of the federal Energy Policy Act of 1992. The City Council approved the Energy Policy & a revised policy Energy Conservation & Efficiency 2000. Objectives & strategies for the upcoming two-year budget cycle are attached to the policy. The programs in this section of the Guide are voluntary. However, once the city was accepted into certain federal energy programs (Green Lights) certain requirements become binding.

The city has initiated a number of Solar Energy Pilot Projects. For current information on the City's voluntary energy initiatives, programs & pilot projects, go to the city's web site. The Arizona Corporation Commission regulates utilities throughout the state, and also has rules related to solar energy (see the [Renewable Energy Portfolio](#)).

12.1 Energy: Scottsdale Energy Policy: Energy Conservation & Efficiency 2000

The City of Scottsdale Task Force on Energy Planning identified four major objectives for municipal government:

- To use energy resources efficiently in municipal operations through improvements in buildings, transportation and delivery systems.
- To assist in the efficient operation of the energy markets of Arizona through improvements in planning and education about energy.
- To assist in the economic development of Scottsdale through the use of indigenous resources and existing infrastructure.
- To assure the environmental quality of the region through safeguarding existing resources and rehabilitation of polluted resources.

Purpose

To maintain Scottsdale's leadership in energy conservation, efficiency and renewable energy in order to contribute to a sustainable community.

Helpful Details

The Energy Policy is based on four core principles:

- Energy use is directly related to environmental quality
- Energy conservation and efficiency and use of renewable energy is key to a sustainable future
- Energy education is essential to achieve conservation and efficiency
- The greatest opportunity for energy cost saving is to use less energy

Agency Contacts

City of Scottsdale
Environmental Planning & Design Office
7447 E. Indian School Rd., Ste. 300
Scottsdale, AZ. 85251
(480) 312-7990

Actions Required

The objectives of the Energy Policy are voluntary:

- Reduce the demand for energy used to operate city facilities
- Reduce the fleet fuel demand and increase the use of alternative fuels
- Increase staff and contractor conservation behaviors to achieve additional energy savings
- Demonstrate leadership in use of alternative energy and new energy technology to encourage the growth of both sectors
- Enable staff to make wise energy choices
- Enable citizens to make wise energy choices

A list of the City of Scottsdale Energy Policy 1999-2001 strategies to achieve these objectives is available from the Environmental Planning and Design Office, (480) 312-7990.

Fees

None

Best Number to Call

City of Scottsdale Environmental Planning & Design: (480) 312-7990

12.2 Green Lights: Scottsdale Green Lights Program

Purpose

To save money by reducing an organization's electric utility costs. In turn, the reduced need for power reduces the generation of air pollution emissions from power plants.

Helpful Details

Green Lights is a component of the Energy Star Buildings Program which includes additional energy conservation measures for heating, ventilating and cooling systems and building envelopes. Lighting accounts for 20-25 percent of all electricity sold in the United States. So the use of energy-efficient lighting has a direct effect on pollution prevention. Every kilowatt-hour of lighting electricity not used prevents emissions of 1.5 pounds of carbon dioxide, 5.8 grams of sulfur dioxide and 2.5 grams of nitrogen oxides. If energy-efficient lighting were used where profitable, the nation's demand for electricity would be cut by more than 10 percent. This would result in annual reductions of 202 million metric tons of carbon dioxide, the equivalent of taking 44 million cars off the road, 1.3 million metric tons of sulfur dioxide, and 600,000 metric tons of nitrogen oxides.

Actions Required

The city has voluntarily completed many projects which include retrofitting interior and exterior lighting in city facilities, adding timers to exterior lights, installing more efficient lighting controls and replacing lighting fixtures with more efficient ones. In addition, the city has roof coated buildings, initiated an enhanced HVAC maintenance program including replacing heat pumps, coolers and chillers with more efficient equipment.

Best Number to Call

City of Scottsdale Environmental Planning & Design Office: (480) 312- 7990

12.3 Green Buildings: [Scottsdale Green Building Program](#)

Purpose

To encourage the use of environmentally responsible building in our precious desert environment by incorporating healthy, resource- and energy-efficient materials and methods in the design and construction of homes.

Helpful Details

Scottsdale's Green Building Program rates homes in six major resource areas:

- Site use
- Building materials
- Solid waste
- Energy
- Indoor air quality
- Water

A 55-point rating system is used as part of the Green Building Checklist, which contains over 150 green building options. The Green Building Program is voluntary and open to all homebuilders in Scottsdale.

Actions Required

As a consumer-driven program, Scottsdale will engage in an on-going marketing effort to bring the program to the attention of the home buying public. The city:

- Provides recognition and promotional support to Green Building Program certified builders and developers
- Gives homebuyers a Green Building Certificate and homeowners manual on their home.
- Sponsors workshops and seminars on Green Building.

Every builder and designer who enters a home into the Green Building Program will be required to attend a city-sponsored green building workshop or seminar. The workshop serves as an introduction to energy/resource efficient and environmentally responsible buildings and will feature Arizona building experts in the areas of site use, energy, building materials, indoor air quality, water and solid waste. Promotional incentives, building strategies, and Green financing are discussed to help qualify homes under Scottsdale's Green Building Program.

Best Number to Call

City of Scottsdale Environmental Planning & Design: (480) 312-7990